

Träullit Agro

For a restful acoustic and healthy climate in agricultural and equestrian settings
Träullit Agro is a natural and sound-absorbing interior ceiling product for agricultural and equestrian settings. It reduces noise, provides fire protection, and continuously balances the levels of moisture in the ambient air. As a result, a more healthy and restful indoor climate for livestock, employees, and visitors is achieved.



Build with the laws of nature.

Träullit refines Swedish timber from a flourishing countryside to renewable wood wool. Our material is eco-friendly and sustainable, consisting of wood wool from Swedish spruce, water, and cement — nothing else.

With characteristics like heat accumulation, moisture regulation, sound absorption, fire protection, our products contribute to a comfortable, healthy, and sustainable atmosphere, today and tomorrow.

Sustainable, functional, organic.
Since 1946.



Sustainable, functional, organic. Since 1946.



Träullit is completely free from toxicants, chemicals, and synthetic components. It consists of wood wool from Swedish spruce, water, and cement – nothing else.

The cement-bonded wood wool products of Träullit are made from natural ingredients. Wood wool from Swedish spruce, a remarkable produce springing from the deep and thriving forests surrounding Träullits production in southern Sweden, that is bonded with fresh water and cement. The result is a homogenous, natural, and versatile building- and decorative material providing an abundance of functional characteristics.

The combination of wood wool and cement creates an airy, thermally insulating, and sound-absorbing structure as well as the provision of fire resistance, moisture persistence, and mechanical strength. The material has an open surface structure that continuously absorbs and emits moisture into the air - an ability that balances the relative humidity and contributes to a pleasant indoor climate that is beneficial for both comfort and health. Träullit accumulates heat which is released when air temperatures fall. This creates a comfortable indoor climate with minor fluctuations in air temperature, contributing to lower energy costs and a reduced environmental impact. Its high pH provides resistance to mold and rot, and the material composition results in a coarse surface structure that is an excellent foundation for mineral plasters.

Träullit is the first eco-labeled building material in Sweden. It has no emissions, is recyclable, and is environmentally friendly. Shortly put, it is sustainable, functional, and organic.





Sound-absorbing

Heat-storing

Insulating

Moisture-balancing

Fireproof

An excellent foundation for mineral plasters

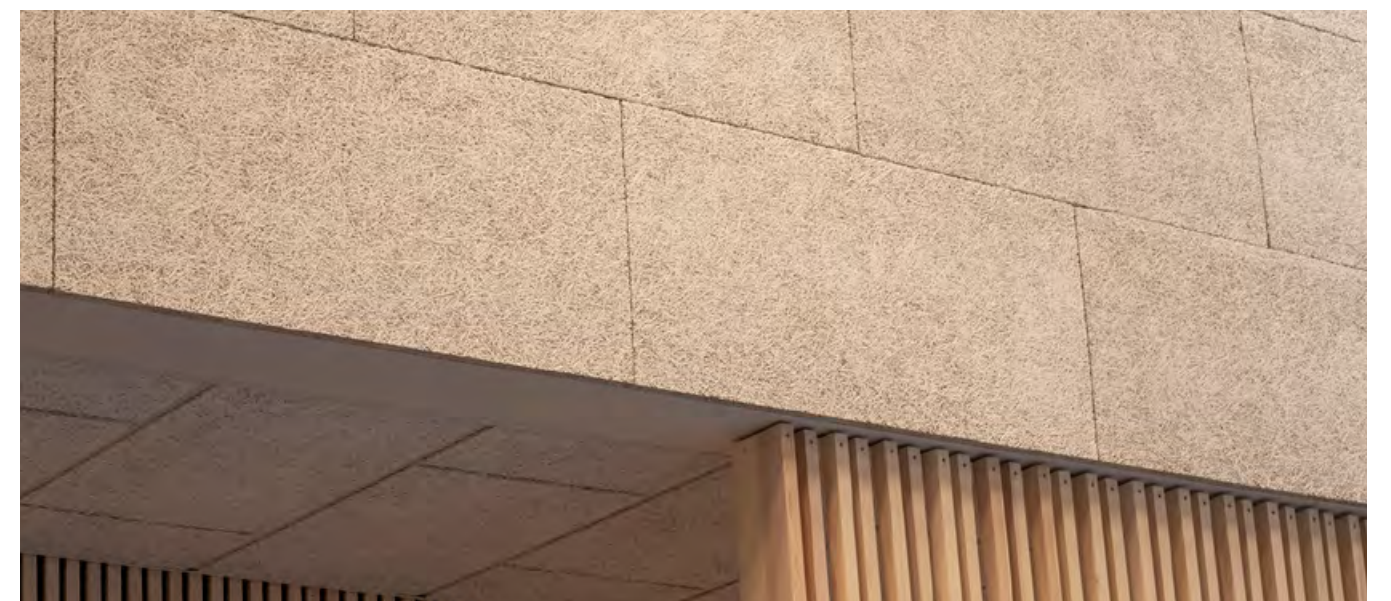
Resistant to mold and rot

Renewable

Free from toxicants and synthetic components

Certified and environmentally declared

Sustainable, functional, and organic





Träullit Agro



For a restful acoustic and a healthy climate in agricultural and equestrian settings

Träullit Agro is a natural, versatile, and sound-absorbing interior ceiling product for agricultural and equestrian settings. Träullit Agro reduces noise, provides fire protection, and continuously balances the levels of moisture in the ambient air, resulting in a more healthy and restful indoor climate for livestock, employees, and visitors.

Träullit Agro can also be utilized as a demountable suspended ceiling or as wall-mounted acoustic panels.





Träullit Agro

25 mm thickness

600 / 1200 mm



600 mm





Träullit Agro

Träullit Agro is a natural, sound-absorbing versatile interior ceiling panel uniquely developed for agricultural and equestrian settings. A healthy soundscape is a fundamental component in the prevention of stress and harm for the livestock and the people who populate these environments that often are characterized by high levels of noise. Good acoustics leads to an improved and restful indoor climate, with healthier livestock, employees, and visitors as a result.

A restful soundscape

Good acoustics is an essential component for a pleasant and wholesome atmosphere for livestock and all animals that reside in agricultural settings and an important precondition for the staff and visitors who visit these environments. While employees and guests spend limited time in these environments, the livestock resides there at all hours of the day. In many cases, animals have far superior hearing than humans, placing even greater demands on the soundscape of the premises to ensure their well-being. An environment with efficient sound absorption and a healthy acoustic climate will result in less stress, healthier animals, and a more restful atmosphere for employees and visitors. Noise-induced hearing loss is not to be repaired – it is to be prevented.

A moisture-regulating material

Träullit Agro regulates moisture. Damp, humid, and cold air provides a perfect habitat for mold, mildew, or rot to thrive that, if left unattended, will severely impair the air quality and cause harm to those exposed. Due to its open surface structure, Träullit Agro continuously equalizes the relative humidity by absorbing and emitting moisture into the ambient air, resulting in an evenly balanced indoor atmosphere. This natural moisture buffering capacity enhances the indoor climate and lowers energy costs as it minimizes fluctuations in the room temperature. Due to the materials' high pH, it is unsusceptible to mold and rot.

Diffuse ventilation

Diffuse ceiling ventilation is an air distribution concept where the entire ceiling is utilized as a fresh air supply. The space above the suspended ceiling is used as a plenum, supplying fresh air into the

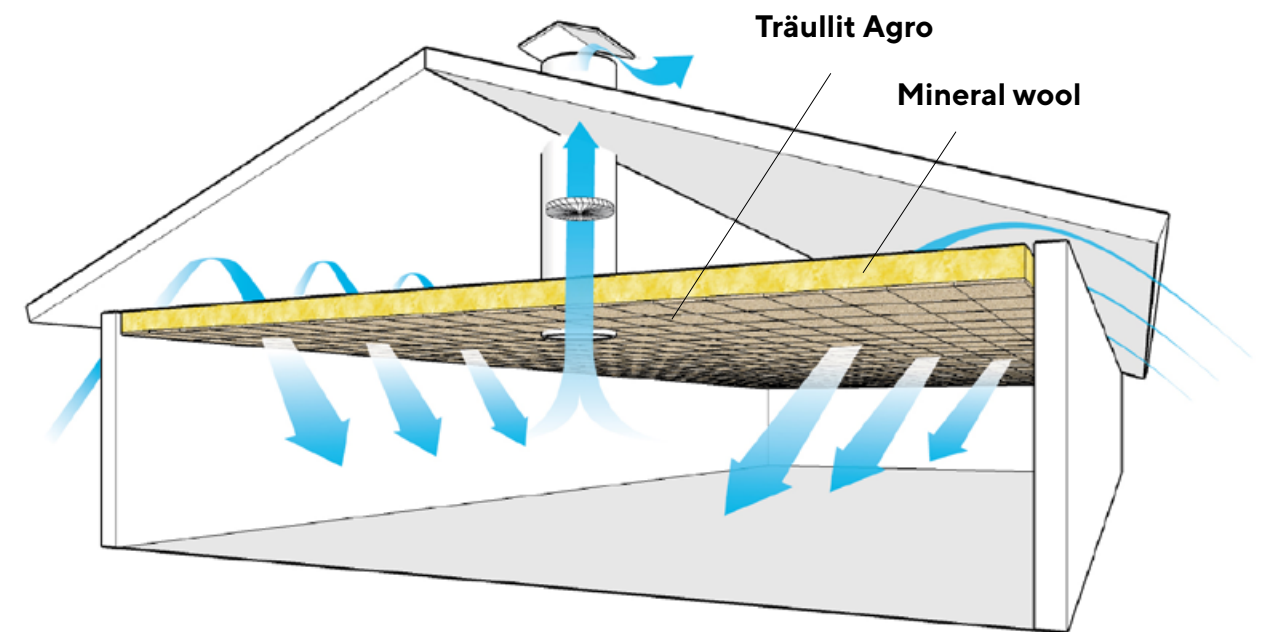
building through the perforations of the Träullit Agro ceiling panels. With fans in the exhaust air diffusers, a negative pressure is created in the building that continuously is replenished with fresh air via the airy and homogenous Träullit Agro panels. Thanks to the large supply area, fresh air is delivered into the building with an even airflow, at a low velocity, and without ventilation noise. This results in a smooth distribution of fresh air, a balanced temperature, and an environment free of draught.

Since the air permeability of Träullit Agro is significantly superior to that of all other wood fiberboards, no vapor barrier is required. Diffuse ceiling ventilation is a widely used technique due to its low investment cost and high thermal comfort level without requiring advanced control systems.

Eco-friendly constructions

Träullit Agro is an organic and renewable material with very low emissions. It consists of locally grown Swedish spruce, water, and cement – nothing else. It allows for natural, long-lasting, and eco-friendly constructions and healthy atmospheres for animals and the people who populate these settings.

Träullit Agro has undergone Environmental Product Declaration testing (EPD). Evaluations by SundaHus Miljödata and Byggsvarubedömningen, a non-profit organization that analyzes the environmental impacts of products in the construction sector, indicate low environmental impact. Furthermore, Träullit Agro received outstanding scores when reviewed by ECOPRODUCT, a product evaluation certificate based on third-party verified environmental declarations, with renowned international standards and references as the basis of assessment.



Description of diffuse ceiling ventilation with Träullit Agro in an equestrian setting

With fans in the exhaust air diffusers, negative pressure is formed in the horse riding stable which then is continuously replenished with fresh air through the perforations in the airy Träullit Agro ceiling panels. The air pressure is so low that no ventilation noise is audible and the airflow so consistent that the fresh air is evenly distributed throughout the building, with balanced temperatures and an environment free from draught as a result. When compared with other wooden fiberboards, Träullit Agro offers superior air permeability for this air distribution concept.



A sound-absorbing material that contributes to a restful acoustic and healthy environment

Träullit Agro offers an excellent sound absorption that will ensure a healthy and restful soundscape for both people, animals, and livestock that populate agricultural and equestrian settings.



**K1 Riding Stable,
Stockholm.
Year: 2014.**

Kavallerikasern 1 is utilized by the Swedish Life Guards, the mounted squadrons of the Swedish Royal Guards, and the Swedish Mounted Police for education, training, competitions, and shows with a live audience. Architecture firm Tengbom aimed to create a riding stable that is both functional and aligned with the cultural history of the surroundings. Träullit Agro, installed in a visible ceiling suspension system, was chosen for its excellent sound absorption and moisture-balancing features.



Enskede Riding School and Stable, Stockholm. Year: 2001.

Enskede Riding School was founded in 1945 as one of Sweden's first riding schools located centrally, yet restfully, in the cultural environments of Enskede Gård. For an improved acoustic and a healthier atmosphere for the horses, staff, and visitors, Träullit Agro was installed as the interior ceiling panel in both stables and paddocks.



Product specifications

Träullit Agro

Träullit Agro	Dimensions and edges	Delivery weight approx. kg/m²	Type
Conditioned wood wool ceiling panel for agricultural and equestrian settings. Normal (2,5 mm) wool width.	Thk: 25 mm Width: 600 mm Length: 1200 / 2400 mm Edge: B (FK)	13	Normal

Accessories for Träullit Agro

Structured screws	Dimensions, mm	Typ	Pcs/box
Customized structured screw heads with patterned surfaces coated in our standard colors for a seamless and aesthetic installation of Träullit Akustik and Träullit Agro ceiling panels on sheet metal (maximum 0,7 mm) and wooden surfaces. Torx.	4,2 x 45 for products with 25 mm thickness	Coated Pure White / White Cement / Grey Cement	100
	4,2 x 75 for products with 50 mm thickness	Coated Pure White / White Cement / Grey Cement	100



Do you want to know more?

We produce a versatile material for the industrial construction of houses, venues, schools, libraries, industrial properties, and warehouses. Träullit is a sustainable, functional, and organic building material with functional characteristics that help create a balanced and healthy atmosphere.

Do you want to know more about our products, their heat accumulation, sound absorption, moisture regulation, fire protection, solidity, or renewability?

Call us, send us an email, or come by for a visit.
Thank you!

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